



• CONDITION FORMULA 1 : THE SIDE OF USEFUL LIFE

$$\min \{ l_a^{\rightarrow}, l_r^{\rightarrow} \} \leq l_a^{\rightarrow} - \min \{ l_a^{\rightarrow}, l_r^{\rightarrow} \}$$

WHERE  $l^{\rightarrow}$  IS LIFE TIME OF PRODUCT,  $l^{\rightarrow}$  IS LIFE TIME OF PARTS

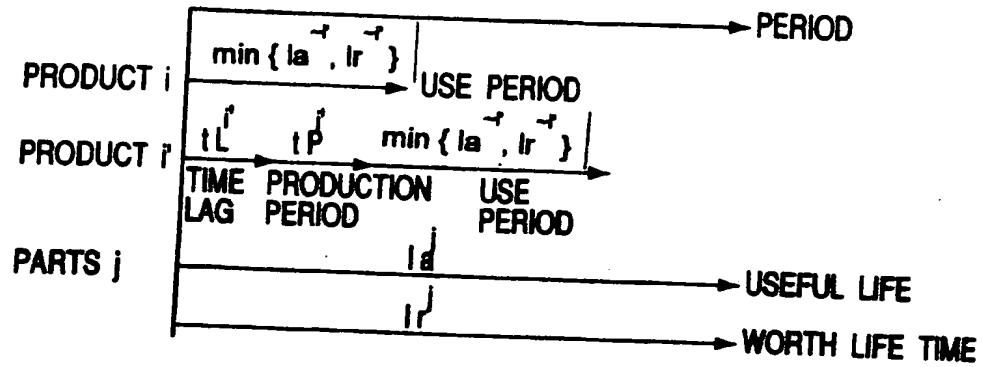


FIG. 19

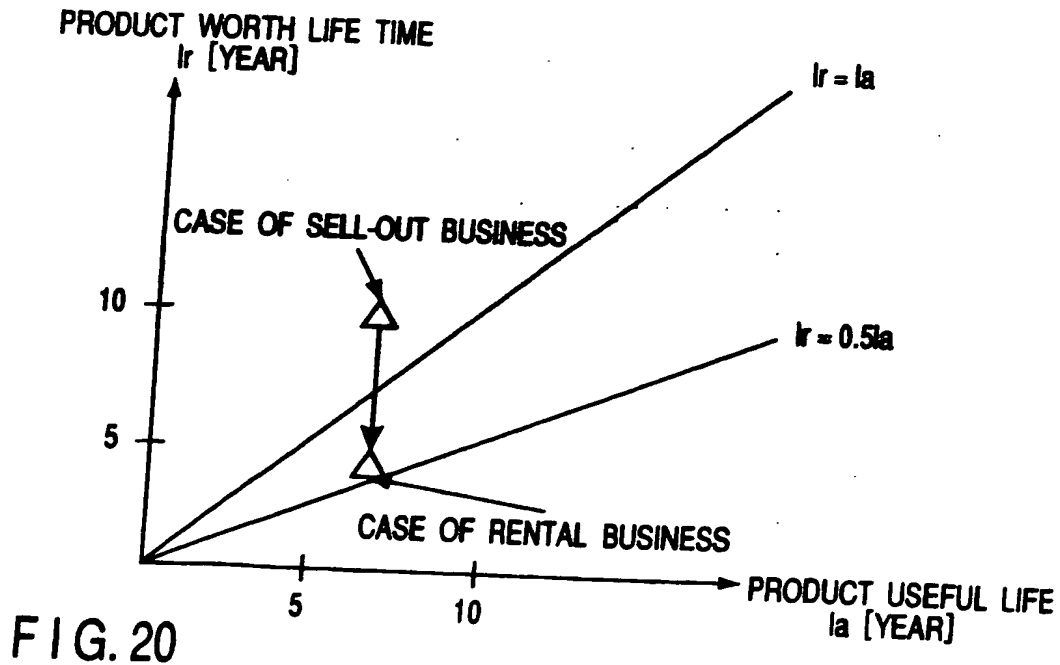


FIG. 20

• CONDITION FORMULA 2 : THE SIDE OF WORTH LIFE TIME

$$tL'' + tP'' + \min \{ la^{\sim r}, lr^{\sim r} \} \leq lr^{\sim r} \quad |$$

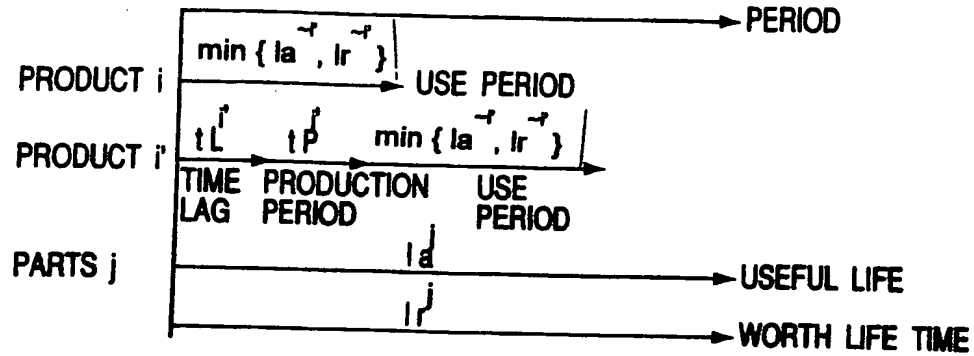


FIG. 21

• CONDITION FORMULA 3 : THE SIDE OF RECOVERY QUANTITY

$$\min \{ la^{\sim r}, lr^{\sim r} \} < tL'' + \alpha tP''$$

WHERE  $0 \leq \alpha \leq 1$   $\alpha$  : PERIOD FACTOR

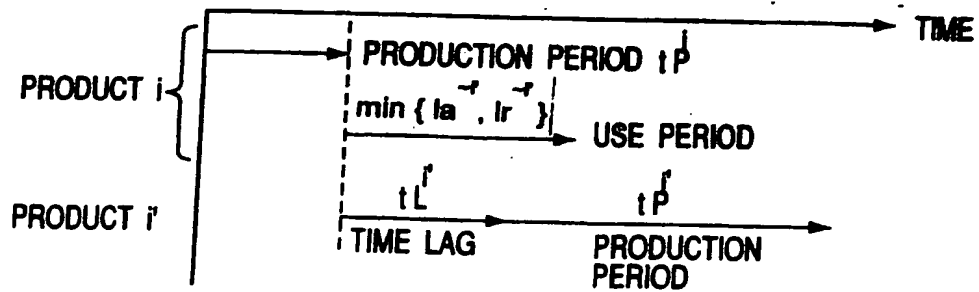


FIG. 22